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detecting a predetermined signal among the read data;  
determining a current recording speed based on the predetermined  
signal;  
comparing the determined recording speed with a predetermined speed;  
and  
changing the recording mode between CAV and CLV according to the  
result of the comparing step.

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2. (Amended) The method set forth in claim 1, wherein said  
predetermined signal is a sync signal contained in the encoded data.

3. (Amended) The method set forth in claim 1, wherein said detecting  
step detects a period of the predetermined signal.

B3  
4. (Twice Amended) A method of changing a recording mode between  
CAV (Constant Angular Velocity) and CLV (Constant Linear Velocity),  
comprising the steps of:

- (a) recording input data to an installed recording medium in CAV mode;
  - (b) measuring the frequency of a low-frequency component of a wobble  
signal, which is generated during said recording input data, said wobble signal  
being formed along a spiral physical track;
  - (c) comparing the measured frequency with a predetermined frequency;
- and

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(d) determining when to change the recording mode to CLV based on the comparing step.

(e) changing the recording mode from CAV to CLV based on the comparing step.

B4  
8. (Amended) A method of changing a rotating mode for recording between CAV (Constant Angular Velocity) and CLV (Constant Linear Velocity), comprising the steps of:

recording input data on a recording medium in CAV mode;  
measuring a recording speed of input data on said recording medium;  
comparing the recording speed with a threshold speed, wherein the threshold speed is determined by a stable encoding speed of an encoder or properties of the recording medium; and  
changing the rotating mode for recording between CAV and CLV according to the result of the comparing step.